

V&V Reference Report

L2 ASCDS Version : 10

Observation 53580 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 8 2013

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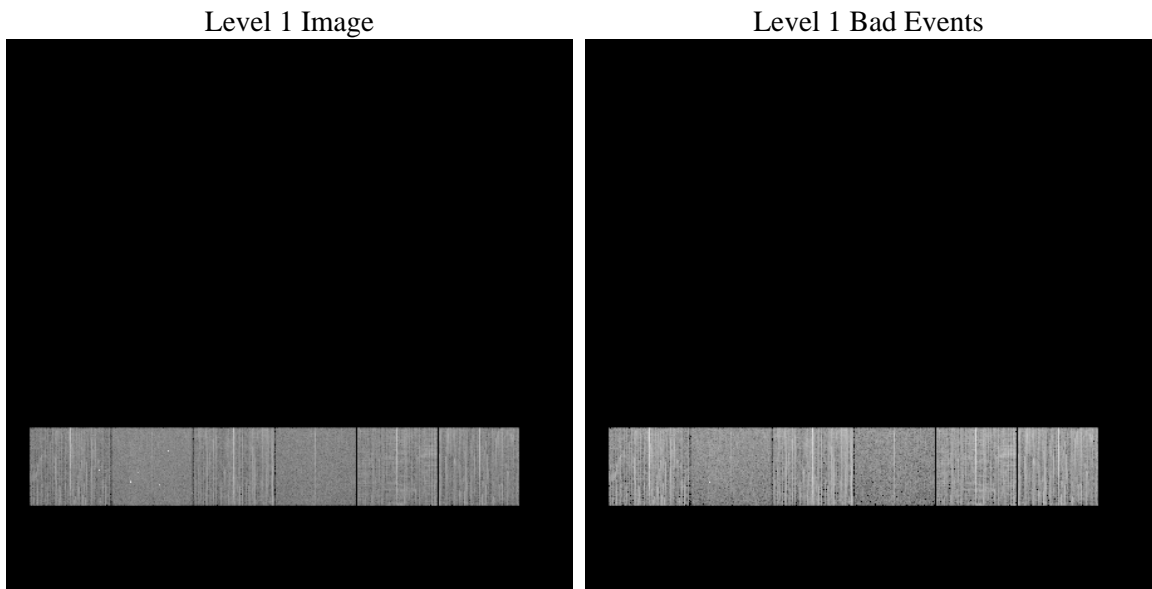
1 Front

seq_num	 	Sequence number
obs_id	53580	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	295.02770735427	Nominal RA [deg]
dec_nom	-47.678289432216	Nominal Dec [deg]
roll_nom	16.443822295929	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5007.9999814034	Sum of GTIs [s]
livetime	4944.5856701833	Livetime [s]
ontime4	5007.9999814034	Sum of GTIs [s]
ontime5	5007.9999814034	Sum of GTIs [s]
ontime6	5007.9999814034	Sum of GTIs [s]
ontime7	5007.9999814034	Sum of GTIs [s]
ontime8	5007.9999814034	Sum of GTIs [s]
ontime9	5007.9999814034	Sum of GTIs [s]
l2events	140499	Number of level 2 events

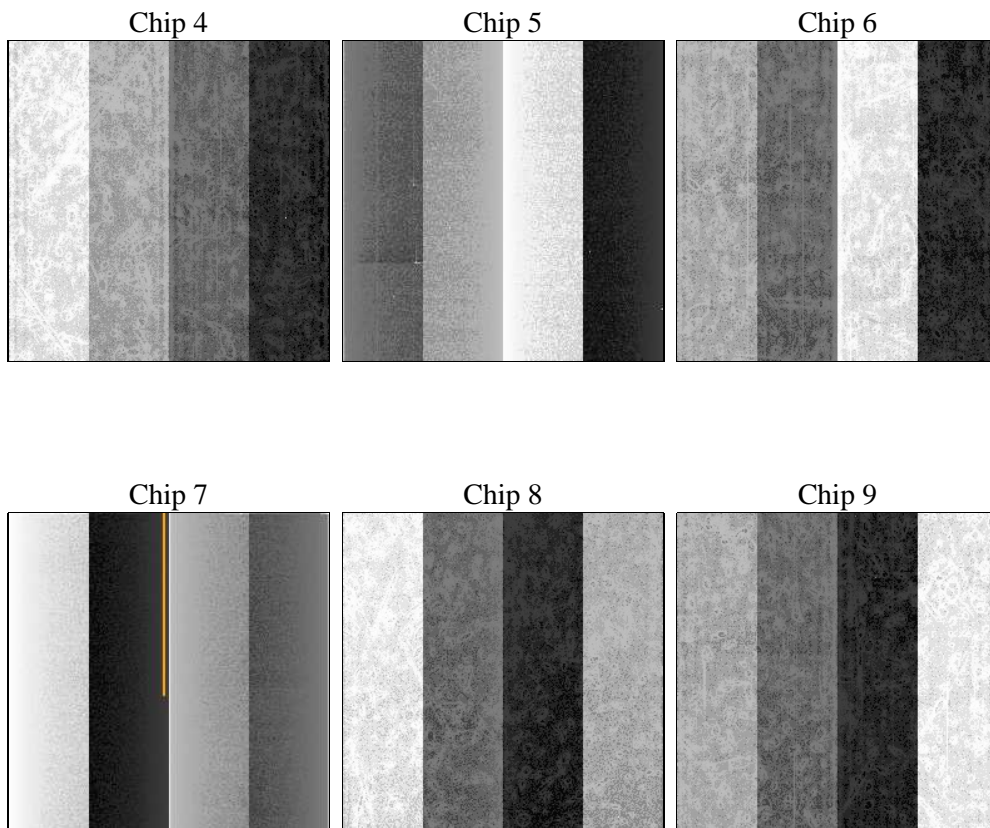
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	5007.9999814034	Sum of GTIs [s]
caldbver	4.5.7	 	ontime4	5007.9999814034	Sum of GTIs [s]
date	2013-07-08T14:54:29	Date and time of file creation	ontime5	5007.9999814034	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5007.9999814034	Sum of GTIs [s]
			ontime7	5007.9999814034	Sum of GTIs [s]
			ontime8	5007.9999814034	Sum of GTIs [s]
			ontime9	5007.9999814034	Sum of GTIs [s]
			l1events	532904	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	85782	81699	96260	73479	98784	96900	grade 0 events	11387	5200	9930	5243	11274	9771
rejected events	65681	43346	76450	38677	73748	77524		13%	6%	10%	7%	11%	10%
rejected %	76%	53%	79%	52%	74%	80%	grade 1 events	78	81	32	44	53	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	3532	14278	3943	8547	5203	3724
								4%	17%	4%	11%	5%	3%
							grade 3 events	1362	1283	1350	2925	1931	1303
								1%	1%	1%	3%	1%	1%
							grade 4 events	1289	1270	1262	2809	1790	1312
								1%	1%	1%	3%	1%	1%
							grade 5 events	1747	3669	1791	4405	2454	2072
								2%	4%	1%	5%	2%	2%
							grade 6 events	2531	16322	3325	15278	4838	3275
								2%	19%	3%	20%	4%	3%
							grade 7 events	63856	39596	74627	34228	71241	75394
								74%	48%	77%	46%	72%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	295.0277073542724	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-47.67828943221569	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	16.44382229592908	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	489645134.858898	489645133.8339			
Observation start date	2013-07-08T04:32:15	2013-07-08T04:32:13			
[s] Observation end time (MET)	489652045.409274	489652044.38427			
Observation end date	2013-07-08T06:27:25	2013-07-08T06:27:24			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.07.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0079999814034

A.2 Comments